

Project No. 2941-002

- 26 -

consultation and any proposed action with the Commission. If the licensee does not adopt any recommendations proposed by the above listed agencies, the filing shall include the licensee's reasons, based on site-specific conditions.

The licensee shall develop the recreation-use monitoring plan in consultation with the MDOC, MDIFW, MDMR, and the USFWS. The licensee shall include with the plan documentation of consultation, copies of comments and recommendations on the completed plan after they have been prepared and provided to the MDOC, MDIFW, MDMR, and the USFWS, and specific descriptions of how the MDOC, MDIFW, MDMR, and the USFWS comments are accommodated by the plans. The licensee shall allow a minimum of 30 days for the MDOC, MDIFW, MDMR, and the USFWS to comment and to make recommendations before filing the plan with the Commission. If the licensee does not adopt a recommendation, the filing shall include the licensee's reasons, based on site-specific conditions.

The Commission reserves the right to require changes to the plan. Upon Commission approval, the licensee shall implement the plan, including any changes required by the Commission.

Article 410. The licensee shall implement the "Programmatic Agreement Among the Federal Energy Regulatory Commission, and the State of Maine, State Historic Preservation Officer, for Managing Historic Properties That May Be Affected By A License Issuing to the S.D. Warren Company For the Continued Operation and Maintenance of the Presumpscot River Projects in Maine," executed on July 15, 2002, including but not limited to the Historic Properties Management Plan (HPMP) for the project. In the event that the Programmatic Agreement is terminated, the licensee shall implement the provisions of its approved HPMP. The Commission reserves the authority to require changes to the HPMP at any time during the term of the license. If the Programmatic Agreement is terminated prior to Commission approval of the HPMP, the licensee shall obtain approval before engaging in any ground disturbing activities or taking any other action that may affect any historic properties within the project's area of potential effect.

Article 411. (a) In accordance with the provisions of this article, the licensee shall have the authority to grant permission for certain types of use and occupancy of project lands and waters and to convey certain interests in project lands and waters for certain types of use and occupancy, without prior Commission approval. The licensee may exercise the authority only if the proposed use and occupancy is consistent with the purposes of protecting and enhancing the scenic, recreational, and other environmental values of the project. For those purposes, the licensee shall also have continuing

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responsibility to supervise and control the use and occupancies for which it grants permission, and to monitor the use of, and ensure compliance with the covenants of the instrument of conveyance for, any interests that it has conveyed, under this article. If a permitted use and occupancy violates any condition of this article or any other condition imposed by the licensee for protection and enhancement of the project's scenic, recreational, or other environmental values, or if a covenant of a conveyance made under the authority of this article is violated, the licensee shall take any lawful action necessary to correct the violation. For a permitted use or occupancy, such action includes, as necessary, canceling the permission to use and occupy the project lands and waters and requiring the removal of any non-complying structures and facilities.

(b) The type of use and occupancy of project lands and water for which the licensee may grant permission without prior Commission approval are:

- (1) landscape plantings;
- (2) non-commercial piers, landings, boat docks, or similar structures and facilities that can accommodate no more than 10 watercraft at a time and where said facility is intended to serve single-family type dwellings;
- (3) embankments, bulkheads, retaining walls, or similar structures for erosion control to protect the existing shoreline; and
- (4) food plots and other wildlife enhancement.

To the extent feasible and desirable to protect and enhance the project's scenic, recreational, and other environmental values, the licensee shall require multiple use and occupancy of facilities for access to project lands or waters. The licensee shall also ensure, to the satisfaction of the Commission's authorized representative, the use and occupancies for which it grants permission are maintained in good repair and comply with applicable state and local health and safety requirements.

Before granting permission for construction of bulkheads or retaining walls, the licensee shall:

- (1) inspect the site of the proposed construction;
- (2) consider whether the planting of vegetation or the use of riprap would be adequate to control erosion at the site; and

- (3) determine that the proposed construction is needed and would not change the basic contour of the reservoir shoreline.

To implement this paragraph (b), the licensee may, among other things, establish a program for issuing permits for the specified types of use and occupancy of project lands and waters, which may be subject to the payment of a reasonable fee to cover the licensee's costs of administering the permit program. The Commission reserves the right to require the licensee to file a description of its standards, guidelines, and procedures for implementing this paragraph (b) and to require modification of those standards, guidelines, or procedures.

(c) The licensee may convey easements or rights-of-way across, or leases of, project lands for:

- (1) replacement, expansion, realignment, or maintenance of bridges or roads where all necessary state and federal approvals have been obtained;
- (2) storm drains and water mains;
- (3) sewers that do not discharge into project waters;
- (4) minor access roads;
- (5) telephone, gas, and electric utility distribution lines;
- (6) non-project overhead electric transmission lines that do not require erection of support structures within the project boundary;
- (7) submarine, overhead, or underground major telephone distribution cables or major electric distribution lines (69-kV or less); and
- (8) water intake or pumping facilities that do not extract more than one million gallons per day from a project reservoir.

No later than January 31 of each year, the licensee shall file three copies of a report briefly describing for each conveyance made under this paragraph (c) during the prior calendar year, the type of interest conveyed, the location of the lands subject to the conveyance, and the nature of the use for which the interest was conveyed.



Project No. 2941-002

- 29 -

(d) The licensee may convey fee title to, easements or rights-of-way across, or leases of project lands for:

- (1) construction of new bridges or roads for which all necessary state and federal approvals have been obtained;
- (2) sewer or effluent lines that discharge into project waters, for which all necessary federal and state water quality certification or permits have been obtained;
- (3) other pipelines that cross project lands or waters but do not discharge into project waters;
- (4) non-project overhead electric transmission lines that require erection of support structures within the project boundary, for which all necessary federal and state approvals have been obtained;
- (5) private or public marinas that can accommodate no more than 10 watercraft at a time and are located at least one-half mile (measured over project waters) from any other private or public marina;
- (6) recreational development consistent with an approved Exhibit R or approved report on recreational resources of an Exhibit E; and
- (7) other uses, if: (i) the amount of land conveyed for a particular use is five acres or less; (ii) all of the land conveyed is located at least 75 feet, measured horizontally, from project waters at normal surface elevation; and (iii) no more than 50 total acres of project lands for each project development are conveyed under this clause (d)(7) in any calendar year.

At least 60 days before conveying any interest in project lands under this paragraph (d), the licensee must submit a letter to the Director, Office of Energy Projects, stating its intent to convey the interest and briefly describing the type of interest and location of the lands to be conveyed (a marked exhibit G or K map may be used), the nature of the proposed use, the identity of any federal or state agency official consulted, and any federal or state approvals required for the proposed use. Unless the Director, within 45 days from the filing date, requires the licensee to file an application for prior approval, the licensee may convey the intended interest at the end of that period.

**VIL\_RESP00254**



Project No. 2941-002

- 30 -

(e) The following additional conditions apply to any intended conveyance under paragraph (c) or (d) of this article:

- (1) before conveying the interest, the licensee shall consult with federal and state fish and wildlife or recreation agencies, as appropriate, and the State Historic Preservation Officer;
- (2) before conveying the interest, the licensee shall determine that the proposed use of the lands to be conveyed is not inconsistent with any approved exhibit R or approved report on recreational resources of an exhibit E; or, if the project does not have an approved exhibit R or approved report on recreational resources, that the lands to be conveyed do not have recreational value;
- (3) the instrument of conveyance must include the following covenants running with the land: (i) the use of the lands conveyed shall not endanger health, create a nuisance, or otherwise be incompatible with overall project recreational use; (ii) the grantee shall take all reasonable precautions to ensure that the construction, operation, and maintenance of structures or facilities on the conveyed lands will occur in a manner that will protect the scenic, recreational, and environmental values of the project; and (iii) the grantee shall not unduly restrict public access to project waters; and
- (4) the Commission reserves the right to require the licensee to take reasonable remedial action to correct any violation of the terms and conditions of this article, for the protection and enhancement of the project's scenic, recreational, and other environmental values.

(f) The conveyance of an interest in project lands under this article does not in itself change the project boundaries. The project boundaries may be changed to exclude land conveyed under this article only upon approval of revised exhibit G or K drawings (project boundary maps) reflecting exclusion of that land. Lands conveyed under this article will be excluded from the project only upon a determination that the lands are not necessary for project purposes, such as operation and maintenance, flowage, recreation, public access, protection of environmental resources, and shoreline control, including shoreline aesthetic values. Absent extraordinary circumstances, proposals to exclude lands conveyed under this article from the project shall be consolidated for consideration when revised exhibit G or K drawings would be filed for approval for other purposes.

**VIL\_RESP00255**

Project No. 2941-002

- 31 -

(g) The authority granted to the licensee under this article shall not apply to any part of the public lands and reservations of the United States included within the project boundary.

(H) The licensee shall serve copies of any Commission filing required by this order on any entity specified in the order to be consulted on matters relating to that filing. Proof of service on these entities must accompany the filing with the Commission.

(I) This order is final unless a request for rehearing is filed within 30 days from the date of its issuance, as provided in Section 313(a) of the Federal Power Act. The filing of a request for rehearing does not operate as a stay of the effective date of this license or of any other date specified in this order, except as specifically ordered by the Commission. The licensee's failure to file a request for rehearing shall constitute acceptance of this order.

By the Commission.

( S E A L )

Linda Mitry,  
Acting Secretary.

**VIL\_RESP00256**

## Appendix A

Water Quality Certification Conditions for the Sacarrappa (P-2897), Mallison Falls (P-2932), Little Falls (P-2941), Gambo (P-2931), and Dundee (P-2942) Hydroelectric Projects, Issued April 30, 2003, by the State of Maine Department of Environmental Protection

THEREFORE, the Department APPROVES the applications of S.D. WARREN COMPANY and GRANTS CERTIFICATION that there is a reasonable assurance that the continued operation of the PRESUMPSCOT RIVER HYDRO PROJECTS, as described above, will not violate applicable water quality standards, SUBJECT TO THE FOLLOWING CONDITIONS:

### 1. Water Levels And Flows

- A. Except as temporarily modified by (1) approved maintenance activities, (2) extreme hydrologic conditions, as defined below, or (3) emergency electrical system conditions, as defined below or (4) agreement between the applicant and other appropriate state and/or federal agencies, all projects shall be operated in a run-of-river mode, with outflow approximately equal to inflow on an instantaneous basis except during flashboard failure or replacement, and with impoundment levels maintained within 1 foot of full pond when flashboards are in place and within 1 foot of spillway crest elevation when flashboards are not in place.
- B. Except as temporarily modified by (1) approved maintenance activities, (2) extreme hydrologic conditions, as defined below, or (3) emergency electrical system conditions, as defined below or (4) agreement between the applicant and other appropriate state and/or federal agencies, the following minimum flow releases shall be provided annually into the project bypass reaches:
  - Dundee: 60 cfs from May 1 through October 31 and 40 cfs from November 1 through April 30.
  - Gambo: 60 cfs year-round.
  - Little Falls: Existing leakage (approximately 26 cfs).



Project No. 2941-002

- 33 -

- Mallison Falls: 60 cfs from May 1 through October 31 and 40 cfs from November 1 through April 30.
- Saccarappa: Existing leakage (approximately 13 cfs).

Minimum bypass flows shall consist of uncontrolled leakage, spillage, and any flows released into the bypass reaches through any upstream and downstream eel passage and anadromous fish passage facilities provided at the projects. To the extent possible, all minimum flows shall be provided as spillage at the project dams, in order to provide maximum reaeration.

- C. "Extreme Hydrologic Conditions" means the occurrence of events beyond the Licensee's control such as but not limited to abnormal precipitation, extreme runoff, flood conditions, ice conditions or other hydrologic conditions such that the operational restrictions and requirements contained herein are impossible to achieve or are inconsistent with the safe operation of the Project.
- D. "Emergency Electrical System Conditions" means operating emergencies beyond Licensee's control which require changes in flow regimes to eliminate such emergencies which may in some circumstances include but are not limited to equipment failure or other abnormal temporary operating condition, generating unit operation or third-party mandated interruptions under power supply emergencies; and orders from local, state or federal law enforcement or public safety authorities.
- E. The applicant shall, within 6 months of issuance of a New License for the project by FERC or upon such other schedule as established by FERC, submit plans for providing and monitoring run-of-river operations, impoundment levels, and minimum bypass flows as required by Parts A and B of this condition. These plans shall be reviewed by and must receive the approval of the DEP Bureau of Land and Water Quality.
- F. Upon completion of a habitat assessment by the Atlantic Salmon Commission and notification to the applicant of initiation of active Atlantic salmon restoration activities in the Presumpscot River, the applicant shall conduct a study to evaluate the effectiveness of the minimum bypass flows required by Part B of this condition in providing habitat for various life stages of Atlantic salmon.
- G. The applicant shall, within 6 months after notification from the Atlantic Salmon Commission on initiation of active Atlantic salmon restoration activities in the Presumpscot River, or upon such other schedule as established by FERC, submit

**VIL\_RESP00258**

plans for a study to evaluate the effectiveness of minimum bypass flows required by Part B of this condition in providing habitat for Atlantic salmon, prepared in consultation with ASC. This study shall include evaluation of the effectiveness of bypass flows in providing habitat for Atlantic salmon spawning and egg incubation and production of juvenile Atlantic salmon. This plan shall be reviewed by and must receive approval of the DEP prior to implementation. In reviewing the plan, the DEP will consider the recommendations of the ASC.

- H. The applicant shall, in accordance with a schedule set forth in the study plan or upon such other schedule as established by FERC, submit the results of any bypass flow effectiveness study, along with any recommendations for changes in the minimum bypass flows required by this condition. After reviewing the study results, and after notice to the applicant and opportunity for hearing, the Department reserves the right to require such changes in the minimum bypass flows established in this certification as may be deemed necessary to provide Atlantic salmon habitat in the bypass reaches.

## **2. Impoundment Drawdown And Refill Procedures**

- A. The applicant shall, unless necessary to address emergency situations or to address dam safety and/or public safety concerns, avoid maintenance drawdowns of the project impoundments during the months of May and June.
- B. The applicant shall implement the following procedures for refilling the project impoundments after any impoundment drawdowns:
- If allowed under the FERC-approved Sebago lake level management plan, outflows shall be temporarily increased from Sebago Lake to refill the impoundments while flows from each project are maintained as required by the flow/temperature curve component of the lake level management plan.
  - If increased outflows from Sebago Lake are not allowed under the FERC-approved Sebago lake level management plan, a maximum of 25% of the outflow from Sebago Lake shall be used to refill the impoundments while flows from each project are maintained at 75% or more of the outflow from Sebago Lake.

## **3. Upstream Eel Passage**

- A. Upstream eel passage facilities shall be installed and operational at all projects within 2 years following the issuance of a new FERC license for the projects.

- B. The applicant shall, at least 60 days prior to construction or upon such other schedule as established by FERC, submit final design and operational plans for the upstream eel passage facilities required by Part A of this condition, prepared in consultation with the Department of Marine Resources. These plans shall be reviewed by and must receive the approval of DEP prior to construction. In reviewing the plans, the DEP will consider the recommendations of DMR.
- C. The applicant shall, in consultation with the Department of Marine Resources, conduct a study or studies to determine the effectiveness of the upstream eel passage facilities required by this condition.
- D. The applicant shall, concurrent with the commencement of facilities operation or upon such other schedule as established by FERC, submit plans for a study or studies to determine the effectiveness of the upstream eel passage facilities required by Part A of this condition, prepared in consultation with the Department of Marine Resources. These plans shall be reviewed by and must receive the approval of DEP prior to implementation. In reviewing the plans, the DEP will consider the recommendations of DMR.
- E. The applicant shall, in accordance with a schedule set forth in the study plan or upon such other schedule as established by FERC, submit the results of any upstream eel passage effectiveness studies, along with any recommendations for changes in the design and/or operation of any passage facilities installed pursuant to this condition.
- F. The applicant shall be responsible for taking such actions as are needed to effectively pass eels upstream through the projects. After reviewing the study results, and after notice to the applicant and opportunity for hearing, the Department reserves the right to require reasonable changes in the design and/or operation of the upstream eel passage facilities installed pursuant to this condition as may be deemed necessary to effectively pass eels upstream through the projects.

#### **4. Downstream Eel Passage**

- A. The applicant shall, immediately following the issuance of a new FERC license for the projects, institute operational measures to provide downstream eel passage at all projects. These measures must include suspending generation at each project for at least 4 hours per night for at least four one-week periods during the downstream eel migration period. The timing of the generation shutdown shall be



Project No. 2941-002

- 36 -

determined each year, in consultation with the Department of Marine Resources, to maximize the expected benefit for downstream eel migration.

- B. The applicant shall, in consultation with the Department of Marine Resources, conduct a 3-year study to determine the exact timing of the generation shutdown, so as to result in the optimum benefit for downstream eel migration.
- C. The applicant shall, within 60 days following the issuance of a new FERC license for the project or upon such other schedule as established by FERC, submit plans for a study to determine the exact timing of the generation shutdown required by Part B of this condition, prepared in consultation with the Department of Marine Resources. These plans shall be reviewed by and must receive the approval of DEP prior to implementation. In reviewing the plans, the DEP will consider the recommendations of DMR.
- D. The applicant shall, in accordance with a schedule set forth in the study plan or upon such other schedule as established by FERC, submit the results of the downstream eel passage study, along with any recommendations for the exact timing of the generation shutdowns required by this condition.
- E. The applicant shall be responsible for taking such actions as are needed to effectively pass eels downstream through the projects. After reviewing the study results, and after notice to the applicant and opportunity for hearing, the Department reserves the right to require changes in the timing of the operational shutdowns required by this condition as may be deemed necessary to effectively pass eels downstream through the projects.
- F. In the event that downstream passage facilities are installed at a project pursuant to Condition 5 below, the applicant may, in consultation with the Department of Marine Resources, conduct a study to determine the effectiveness of these facilities in passing eels downstream through the project. Upon request by the applicant, and after reviewing the study results and the recommendations of DMR, the Department reserves the right to reduce or terminate the operational shutdowns required by this condition.

## **5. Upstream And Downstream Anadromous Fish Passage**

### **Saccarappa Project**

- A. The applicant shall install and operate the following upstream fish passage facilities at the project:

VIL\_RESP00261

Project No. 2941-002

- 37 -

- Phase I. A Denil “fish ladder,” or other passage facilities of comparable efficiency in passing the target species, designed to pass at least 18,000 American shad, 109,000 blueback herring, and 273 Atlantic salmon annually. These facilities, which shall include a counting, trapping and sorting facility, must be operational no later than 2 years after passage is available at the downstream Cumberland Mills Dam.
  - Phase II. Convert or replace the Phase I passage facilities with a fish lift, or other passage facilities of comparable efficiency in passing the target species, designed to pass up to 58,000 American shad, 353,000 blueback herring, and 426 Atlantic salmon annually. These facilities, which shall include a counting, trapping and sorting facility, must be operational no later than 2 years after (1) notification from the Department of Marine Resources, the Department of Inland Fisheries and Wildlife, and the Atlantic Salmon Commission of initiation of Phase II restoration above Gambo Dam and (2) the capacity of the installed Phase I passage facilities has been reached for any of the target species.
- B. The applicant shall install and operate downstream passage facilities designed to pass American shad, blueback herring, and Atlantic salmon at the project. These facilities shall be operational concurrent with the completion of upstream anadromous fish passage facilities at the project or within 2 years following notification by the Department of Marine Resources or the Atlantic Salmon Commission of sustained stocking of anadromous fish above the Saccarappa Dam, whichever comes first.

### **Mallison Falls Project**

- A. The applicant shall install and operate the following upstream fish passage facilities at the project:
- Phase I. A Denil “fish ladder,” or other passage facilities of comparable efficiency in passing the target species, designed to pass at least 4,200 American shad, 26,000 blueback herring, and 32 Atlantic salmon annually. These facilities, which shall include a counting, trapping and sorting facility, must be operational no later than 2 years after passage of at least 2,960 American shad or 18,020 blueback herring in any single year at the downstream Saccarappa Project.
  - Phase II. Convert or replace the Phase I passage facilities with a fish lift, or other passage facilities of comparable efficiency in passing the

VIL\_RESP00262

target species, designed to pass up to 44,000 American shad, 270,000 blueback herring, and 185 Atlantic salmon annually. These facilities, which shall include a counting, trapping and sorting facility, must be operational no later than 2 years after (1) notification from the Department of Marine Resources, the Department of Inland Fisheries and Wildlife, and the Atlantic Salmon Commission of initiation of Phase II restoration above Gambo Dam and (2) the capacity of the installed Phase I passage facilities has been reached for any of the target species.

- B. The applicant shall install and operate downstream passage facilities designed to pass American shad, blueback herring, and Atlantic salmon at the project. These facilities shall be operational concurrent with the completion of upstream anadromous fish passage facilities at the project or within 2 years following notification by the Department of Marine Resources or the Atlantic Salmon Commission of sustained stocking of anadromous fish above the Mallison Falls Dam, whichever comes first.

### **Little Falls Project**

- A. The applicant shall install and operate the following upstream fish passage facilities at the project:
- Phase I. A Denil “fish ladder,” or other passage facilities of comparable efficiency in passing the target species, designed to pass at least 3,100 American shad, 19,000 blueback herring, and 15 Atlantic salmon annually. These facilities, which shall include a counting, trapping and sorting facility, must be operational no later than 2 years after passage of at least 2,960 American shad or 18,020 blueback herring in any single year at the downstream Saccharappa Project.
  - Phase II. Convert or replace the Phase I passage facilities with a fish lift, or other passage facilities of comparable efficiency in passing the target species, designed to pass up to 43,000 American shad, 263,000 blueback herring, and 168 Atlantic salmon annually. These facilities, which shall include a counting, trapping and sorting facility, must be operational no later than 2 years after (1) notification from the Department of Marine Resources, the Department of Inland Fisheries and Wildlife, and the Atlantic Salmon Commission of initiation of Phase II restoration above Gambo Dam and (2) the capacity of the



Project No. 2941-002

- 39 -

installed Phase I passage facilities has been reached for any of the target species.

- B. The applicant shall install and operate downstream passage facilities designed to pass American shad, blueback herring, and Atlantic salmon at the project. These facilities shall be operational concurrent with the completion of upstream anadromous fish passage facilities at the project or within 2 years following notification by the Department of Marine Resources or the Atlantic Salmon Commission of sustained stocking of anadromous fish above the Little Falls Dam, whichever comes first.

### **Gambo Project**

- A. The applicant shall install and operate the following upstream fish passage facilities at the project:
- Phase I. No upstream fish passage facilities required.
  - Phase II. A fish lift, or other passage facilities of comparable efficiency in passing the target, designed to pass up to 40,000 American shad, 244,000 blueback herring, and 153 Atlantic salmon annually. These facilities, which shall include a counting, trapping and sorting facility, must be operational no later than 2 years after (1) notification from the Department of Marine Resources, the Department of Inland Fisheries and Wildlife, and the Atlantic Salmon Commission of initiation of Phase II restoration above Gambo Dam and (2) passage of at least 620 American shad or 3,800 blueback herring in any single year at the downstream Little Falls Project.
- B. The applicant shall install and operate downstream passage facilities designed to pass American shad, blueback herring, and Atlantic salmon at the project. These facilities shall be operational concurrent with the completion of upstream anadromous fish passage facilities at the project or within 2 years following notification by the Department of Marine Resources or the Atlantic Salmon Commission of sustained stocking of anadromous fish above the Gambo Dam, whichever comes first.

### **Dundee Project**

- A. The applicant shall install and operate the following upstream fish passage facilities at the project:

VIL\_RESP00264

Project No. 2941-002

- 40 -

- Phase I. No upstream fish passage facilities required.
  - Phase II. A fish lift, or other passage facilities of comparable efficiency in passing the target species, designed to pass up to 20,000 American shad, 122,000 blueback herring, and 64 Atlantic salmon annually. These facilities, which shall include a counting, trapping and sorting facility, must be operational no later than 2 years after (1) notification from the Department of Marine Resources, the Department of Inland Fisheries and Wildlife, and the Atlantic Salmon Commission of initiation of Phase II restoration above Gambo Dam and (2) passage of at least 4,020 American shad or 24,460 blueback herring in any single year at the downstream Gambo Project.
- B. The applicant shall install and operate downstream passage facilities designed to pass American shad, blueback herring, and Atlantic salmon at the project. These facilities shall be operational concurrent with the completion of upstream anadromous fish passage facilities at the project or within 2 years following notification by the Department of Marine Resources or the Atlantic Salmon Commission of sustained stocking of anadromous fish above the Dundee Dam, whichever comes first.

### **All Projects**

- C. The applicant shall, at least 180 days prior to construction or upon such other schedule as established by FERC, submit final design and operational plans for the upstream and downstream anadromous fish passage facilities required by Parts A and B of this condition, prepared in consultation with the Department of Marine Resources and the Atlantic Salmon Commission. These plans shall be reviewed by and must receive the approval of DEP prior to construction. In reviewing the plans, the DEP will consider the recommendations of the ASC and DMR.
- D. The applicant shall, in consultation with the Department of Marine Resources and the Atlantic Salmon Commission, conduct a study or studies to determine the effectiveness of the upstream and downstream anadromous fish passage facilities required by this condition.
- E. The applicant shall, concurrent with the commencement of facilities operation or upon such other schedule as established by FERC, submit plans for a study or studies to determine the effectiveness of the upstream and downstream anadromous fish passage facilities required by Parts A and B of this condition, prepared in consultation with the Department of Marine Resources and the

VIL\_RESP00265